

Designer Note: To be used for milling deteriorated pavement longitudinal joints 2-1/2" (65 mm) deep, 3'± (900± mm) wide and placement of bituminous concrete surface course in trench. Discuss width and depth with Construction and modify as needed.

CENTER JOINT REPAIR SYSTEM

Effective March 1, 1991 Revised April 25, 2014

This work shall include all labor, equipment, and material required to mill out an area along and either side of an existing pavement longitudinal joint and replacement with Hot-Mix Asphalt (HMA) material. The removal shall be done with a cold milling machine of sufficient size and weight to remove the concrete to a depth of 2-1/2" (65 mm) and a width of 3 feet (900 mm) in a single operation. After cold milling the existing joint, all loose material shall be removed, and the milled area cleaned with a mechanical sweeper or vacuum to the satisfaction of the Engineer. Replacement HMA material shall be a HMA Binder material for pavements to be resurfaced and a HMA Surface Material for pavements which will not be subsequently overlaid.

Prior to placement of the HMA material, the milled trench shall be primed in accordance with Article 406.05 of the Standard Specifications using an SS-1h or SS-1hP bituminous material. The prime shall be applied at the rate of 0.10 gal./sq.yd. (0.5 L/square meter) by means of a mechanical or hand-held sprayer, and shall be placed on all surfaces of the milled trench. Placement of prime with brooms will not be permitted.

The HMA surface course mixture shall conform to Section 406 of the Standard Specifications. Placement shall be in a single lift by machine methods. Placement of the HMA material shall match the profile of the existing pavement after final compaction. Compaction shall be to the satisfaction of the Engineer.

Roller Requirements: Compaction shall be accomplished using a vibratory roller that conforms to the applicable sections of Article 1101.01 of the Standard Specifications.

Sequence of Operations: The Contractor shall perform work on the centerline joint only when the right lane (driving lane) is open to traffic.

The Contractor shall fill all trenches opened by cold milling in a day with HMA material in the same day. No open trench will be allowed to remain overnight. The barricades and/or drums shall be relocated after the trench is compacted so there is a minimum 12' (3.6 m) lane width in the open lane.

This work will be paid for at the contract unit price per Foot (Meter) for CENTER JOINT REPAIR SYSTEM measured along the pavement centerline joint.